



Common Book

Legend  
@ mention  
① question  
② notice

The Journal is property of Michael E. Karpeles

415.690.8053

Found of \$20.00 if found.

(note added 2018-12-28)

Common Books

This journal is property of Michael  
E. Karpeles (Mek)



...and for Muddy & the twins

2019-08-10

2019-08-11

BF Software for Services w/ Sarah Allen + Nick

- AWS, Redhat v. Ubuntu (AWS - home health services)
- bsd jails chroot [read more]
- aufs - docker, another union filesystem
- how to Docker on AWS, beginners guide
- courses roundup, Wed 08-13
- 18F/midas In/feature/devops-docker (note, su to) connection, you ①
- linear prioritization (model), points on tasks [link]

reads:  
excellent sheep

2019-08-12

41 Matt Fischer @ Linc, mobile user acquisition, engagement ①  
accelerating introduction of products

- new-tech, beerstalk Rick Marney (Brunchout) v. Ark mobile
- talk.co, facebook messaging (liver, Internana)
- Linc: enterprise customer service (post transaction) returns, exchange
- proximity
- bottles tonight, beacon - uberstyle? banish go through schools to get PhDs.

- product, Vendump v.
- narrow focus:

Franco - foodies

Hackerlist - process, augment team w/ AI experts

Omar - willingness to pay (hotels)

Slides:

- what does customer want
- where are they
- what is their language

Steady v. rapid growth  
SEO content  
comparisons  
experts

Landing Pages  
• optimized, LinkedIn  
• midpanel

virality

influencers (narrow to top 10)

- recruit brand offers
- have presskit + widgets
- show influencers what they gain
- interview

Partners  
- assemble (referrals)  
integrate w/ trackers  
- consultancies

Tell the press  
- solicit @ venturists  
- based on wordbase  
- bloggers

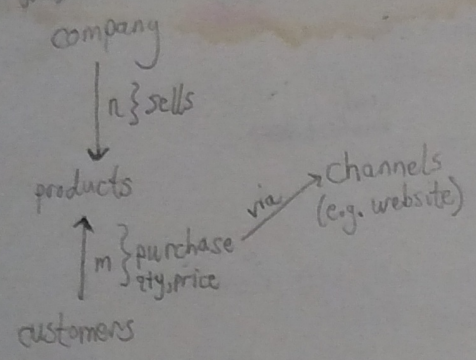
Track feedback  
- narrow!

analyze news trends (by day, source) "The Network of You" - verify hypothesis, solve for people  
Raj Rapor, Google, Exchange, VIP experience for everyone/don't have to wait.

yoela@laskit.co



company, products, customers, departments/teams, product lines



scenario  
name, channels, product, type, sales f(x), start date, duration  
↳ customers

Matt @Sincerely (xobni) + John (1)  
add hl to odesk.  
venture packs for FR info  
bootstrap from odesk talent pool  
meet trusted entrepreneurs

Clients

- Salesforce - proposal
- Customcut -
- Splits - estimate + roadmap
- Pellago - email human readable agreement
- Everalbum - invoice, rec-apis, response deadline
- Assembla - partner

people

- Jonathan Godbout -
- Sarah Allen (JFE)
- Akhil - pitch deck
- Joseph Perla
- Josh Hull
- JFE mentors
- Drew - commonbook mtg + best books site
- Sohail - intro KG (JFE)
- Atlassian - touch base
- Sowjanya + Wei
- David Yoon ↔ Joe Polastre

Cardmunch

mturk

rethink db  
• enterprise sales, how to

imageset

- why is one book better than another?
- rev share w/ reviewers
- community; hr, product hunt

politics

burtthornton@gmail.com

Starify

- acq. 8 months
- 90,50 % failed acq. when 1, 2 interested
- bids, artificial pressure
- Consumer → pro-tool
- collaborative software development
- subscription
- mobile, jawbone, gmail
- accessibility
- journalist; AP
- find extreme users

• trend

next issue?

collaborative knowledge

- Richard Netra - novel density

David Dalrymple

Chite Olif

2014-08-14  
flying to MM, family

(density)  
Kolmogorov of complexity  
MDC minimum description length

recursive regression

2014-08-18

flying SFO

2014-08-19

- twitter, uservice
- interview users ~100%
- find hackers, why are you doing this?
- interview airpair, elance
- PR - John Klein, techcrunch
- Meetups, collab.
- Software workflows
- Brent Goldman - Atlassian
- Evan Priestley - Brian (MC)
- Andy Singleton - Docker?



Portrait of a young man





Itga@mixrank.com lead scoring 2nd & Townsend  
 Analytics, MixRank, Nexus : Distribution Channels, Customer Acquisition

- B2B enterprise, VC '11, 7-figure revenue
- Traffic Arbitrage '07, consumer traffic, performance marketing
- Scalable, repeatable user acquisition
- Saturation? Demand?

① Discovery Leverage existing users, measure clients who decline (patterns)  
 • what channels → viral, PPC, mobile, content, email, search, social, stackoverflow ads, bloggers  
 • psychographics • buy list of users from vendors Craigslist, in person advertising  
 • demographics • aggregate opportunities  
 • clients, customers  
 • get tools?

JFE Progress Report, Thu

② Testing

- cost/user per channel
  - time, price
- ROI, lifetime value, quality, not just qty.
- goto tools?

③ Scaling

• split testing → CTA, copy ... which elements most impactful

bugs

Marketplace for AI experts

- Buffer: content
- Matter Mark
  - best practices
  - tips for non tech founders

- what is our biggest value to x
- what makes x unhappy about odesk, etc
- what is our cost per user per channel
- what is our client/hacker profile
- • What are our best channels
  - use existing clients
  - interview clients
  - aggregate opportunities
  - how many repeat clients/hackers
  - what is user ROI?
  - what content do our x work
  - when do engineers work
  - when do clients work



Mikey

- sessions + users
- reset pwd
- gmail email

Beautiful design

send to foreign friends, family

- List of guides, create, share
- verticals: art
- foursquare (locations)
- analytics on views
- profiles
- Kiosk partnership: POP

↳ personas, user types (browse)

↳ print, email

↳ share

↳ create/modify

↳ admin for kiosk

• upload

• categorize

•

ask for assets

- feature list

- wireframes

- register

multiple kiosks

(CME)

different website?

(per page)

admin view?

① landing

① cats

→ filter (personas)

② guides

postgres

- add kiosks

- categories/personas (exists) ✓

- restaurants

- personas

create/modify

all place search

Burt

Future

one community for every event

- for organizers

- discovery, community, communication, events

- virtual/in person hybrid

info: Drew Winget

Kevin → startup text book

④ (optin)

recommend requests

(in postgres)

3K venues,

Sights

MVP beautiful

6 wks

4 wks

100/h

remote ok

2 wks

slack

github

trillo

hour/project

strong BE, node

get it done



## Upscale Plan life

- Elastic teams of (vetted) engineers for ambitious software projects

### products:

- engineers
- nooks
- python
- QA
- Scientists/researchers
- AI, CV

### AWS for engineering teams

- monitoring
- quick spin up, easy
- reliability
- affordable
- programmable
- templates

claws, laptop, gear

### questions:

- product deadline
- ~ 1 month
- node.js - knows back

### Spin up an elastic

### engineering team

### stock exchange (verticals)

### questions?

- 1) what is an elastic team?  
grows with your demand

### learnings:

- when do engineers work
- when do clients have work

engineering.getupscale.com

- 2) How many people do I need and what kind? <link>

### features

- esec.com

Tell us about your needs  
we'll help you spin up the right team

- campaigns
- invite to MP
- (prefill profile)
- pre-vetted

- 3) How does upscaling work?

a) specify your needs by role or technology (e.g. researcher, AI/MLP)

b) size your elastic workforce

Peter Norvig

c) console (upscale)

- manage demand
- schedule hours

K6 - workshop

\$75 interviewer

Wendy

gopro

→ Zaren

### Business Model

courses

### community

- QA
- chat
- news
- job alerts

★ platform

★ linkedin for hackers (insight)

how long to find best book?

in person?

university







Joe Polastre

Oct 1st, .gov

- 6-8 wks hire
- 12 people @ civic
- 8 months
- project dash

Let .gov innovators matched to devs  
Kickstarter for .gov ideas

↓  
within each silo

archive.it

IA for everyone  
different daemon  
for anyone

issues, pull requests - github, agile

goals

- elastic funding
- remote
- repeatable dev ALM

pivotal - rob (ceo)

open to the public

- Midas

eliminate I-9

open source

business .usa.gov

4/8  
creativity day

My USA Platform

- fb connect for .gov

- email
- text
- challenge

- scopes (a)

} blockscore  
attr provider  
API

cert based  
centralized

huboard.com / 18F / myusa

iannotate.org

FT Mason, this wkend

1) user testing - hackproof  
seft (b) security

MyUSA, challenge.gov exploits bounty

EFF concern list

FMS

employment

2) My USA platform

\*outbox

gelp for .gov Procurement  
aaron snow Oasis MP → Kartlyn, Lea

3) intro Joe.

Joe, Product VPE, CTO

5-200?

IoT, internet of things, early (5-20)

allow people to Experiment

biology, automation AWS biochem experiments

79 vendors, pre approved  
consultants

price ceiling, GSA sched  
fixed rate IT 70

↳ submit experiment json

christen flannery

↳ Shenzhen

chris

Mark

Gregory  
admin andy

IaaS, Infra as a Service

Slack, Github, electric imp

versal

deck.js

universal access to  
information

for api design

arrows  
super  
effective

what is the RFC process?  
is there a mailing list?

jane → ari  
jan ↔ david  
jan ↔ kartik  
jan ↔ alex peake  
jan ↔ drew winget.

responsible

2936 of water / day  
@ IA

This is so nice. so accurate such with 50 ops.



A dependency graph for knowledge.

e.g. number theory requires arithmetic.

great conversations

recommend  
conversations

Questions

- what are the best resources,
- how can we
- what knowledge is similar?
- how to rank a resource?

May take a while, keep feet planted

Digger

thinks awesome stuff, we ask him it

annotated expression

• good structure for self

\* help people structure! do privately

\* Book: Sridhar, et al.

twitter links to

read 3 or 4 times (remove misinterpretations)

happiness needs to be a practice

happiness v. enjoyment ignore risk

spirit, state: utility

go towards diagonal, more paths

happiness, rapid increase in options

relief: negative doors closing

Forest fire versus new growth after fire

on being wrong → getting hurt (using a model we've evolved ourselves)  
gets easier to recompute network (internal consistency) over time?

great conversation id

# channels

threaded email

Chat without rooms

"google"

• stocks

• news

Voting +

like people

implement tech RFC

World Cafe protocol

• diversity

max info gain

butcher paper

goals of wisdom

• choose question + room

- politics

- best

} public,

not recorded

+ votes

"influence"

java

3/4/2009

play-back

tech discussions

• drew wingat

• ream

• jan paul

joe

turian

happiness →

←

open doors

number of options

40h/year

\* Sponsored

Conversations

Forest Bonette

Multiple servers

Discovery inc  
engine

\* Finance

fb airm  
group

wintrob

picture of door

all math dependencies

sweden

Rune Karlson @

Linkoo12



## Client

- funding: 5M+
- has distributed team
- experiences surges in demand, unpredictably
- Salesforce

- Discovery
- Prototyping, demos, product ideas, release date
- consultants
- Maintenance, QA
- deadlines

①

→ greylock

interview 10 companies + our network

- What are your biggest <sup>tech</sup> emergencies (rank)
- How often does your co. prototype new ideas
- Do you use data science to understand this data
- Where does most of your data come from
- What data do you wish you had more of
- Do you have problems with deadlines?

(opportunities)

backlog (code quality? bug reports? workflow?)

insufficient talent

city, city

workflow

## Hackerlist

### Clients

- 1) Jounful followup + Engagement letter
- 2) TheQuad Contract
- 3) Custom Cut Dev @mek @jessy
- 4) Splitts Engagement letter + intros
- 5) jvjlsu.io domain

### Weekly

- 1) 5 interviews Clients -
- 2) Hacker campaign - 10% growth/week
- 3) Upscale landing MVP

②

a) discovery  
- hackerlist.net landing

b) intake (testing)

c) Vetting (scoring)

d) community/MP



Dot E80

19 Months, @70

• Anthony 80M, durable

• Emapus, CBS 2012

• Rob DeMillo, Discovery

↳ Revision 3

Yahoo hotjobs, enterprise ATS

- what are the checkpoints (time), time/benchmark operations

1 Kings Lane, outsources a lot

looking for java, rails

IP:

- people

- personalization

• optimize A/B

• woopra, has intro

\*efficiencies — hyperlink

core product

• what did expansion look like (team)? time, funding, demand, what teams, who hired ↗ 5

• what were hiring values, culture

• how did hiring & efficiency play together? ← 1 1

• elasticity?

• what went wrong in hiring

• hotjobs biggest learnings: ← 1 4

\* if remote engineering, what would you do.

- manual work

yahoo

- banglore

feelings  
hesitations about remote } ← 3?

- when is it effective?

• early organization, delegate management? ← 1 2

• deadlines?

not until you're ready

- how

• efficiency —

• biggest factors

- brello, asana

effective > right, people

know peoples fears + motivations

hired HR, policies, laws

don't skip

be brutal, reinforce



oculus + sphere MV - Jaunt  
3d reconstruction; ground truth

human bias

↳ ask multiple people

preprocessing

1M req/day

"lie to me" - microexpressions  
Paul Ekman

Crowd-computer games: recaptcha for games + annotations → give virtual currency  
Alex Peake, overworked

Soren

Fund Raising  
↳ per task

↳ sell task to games

month 6, upcoming CV

a few task types

js include

product: user interfaces

give users: - US Fusion

- games

- use cases

- intros

new type  
pay wall

e-commerce

50%

snap fashion

grow % employees

Libraries

Non Compete

5 customers

Lucas

Slack, Stanford

VCU

\$100h

justice scale

John

Stanford

science policy

Assets - semi-conductors

freospace

IC - 10 years

freospace

if PhD - beam

physics

quantum

computing

domus (assets)

Science oriented

cas.

google

X-fabs

R&D

dialog

medical equipment

Timothy

smaller

IEP

help + fill a role

↑HIP + politics

.g.v bio-med

Counterpoint

pressed for cash - 2 months

next 2 weeks

ethical + theoretical

↳ Maplight.org

↳ Doug Edwards

consulting

VoIP

flight Sims

robotics + drones

slack

python + django

C

days/wk

hours/wk

• Wants more verticals info

project

retained ✓

• What problems + case studies

• domain expertise

help (use cases)

• bio medical

• microscopic

• custom cut



algebraic optimization

1) scan - MRI → cavity/tumor

medical

2) plan

treatment pipeline

(cancer) planning, 3d printing

- optimization finds PCA locations

cancer post surgery - radiation

- create templates

mixed integer

delivery

continuous & integer

Netflix

intros

optimization/ML

Mike Tompkins, Arvind Rao

python + matlab + C++

optimization open source lib?

Bay area

• Oct 1

intros?

- CV

Danny

9/10/2014

IEEE, SBA

Ecosystem

Speakers

Burt Harman

1) Hackathons

IEEE

hackathons, job fairs

higher level electronics

has IT

AT&T

2) RFP/RFA

• App Dynamics

- Lambda labs

② referrals

★ Skype

3) Referral/ATS

• Meetups, Intel

Recruiting business

agency, staffing, projects

ariba

RFP/RFA

for profit

FB, Intel

small businesses

50% 100K → 10K

for profit

- paying demographic

Levi, A&E

Verticals

alliances

gild - data science panel

joined broke

500-5,000 employees, tech

IT, mobile, software, HR

Forester

③ Demographics

Nick Frigate

Space, audience

Oct - Nov: (1) hackathon app

- amazon

parents + kids

robotics

- speaker, recruiting

- MS azure

- apple

it biased by light

- Double slit experiment w/ sound as observer? infer visuals via Fourier analysis
- why do we think electron splits versus just hitting other electrons moving through air which propagates like waves (since electron is lighter than air but may presumably needs to displace (or at least affect) other particles as it passes)?
- can an env be created (frequencies) which (yes, electron gun/particle collider)



你好吗? 我很好 我也你。  
 呢 我们  
 你忙 都不 - bù  
 他 - tā  
 他 - tā  
 月朋友 - péngyou (friend)

## Roadmap

1  
 • hacker/1st  
 Validation

• interviews

Users acquisition

• interviews

↓  
 • pain points  
 • needs  
 • desires  
 • process  
 bottlenecks

angellist

team market fit

2 (private beta)

• Upscale

reputation

go as deep as possible

assemble

seed 500k

• big logos

have a success story

7-10M cap

account managers

Unit economics

— customer acquisition

angels

find an anchor  
 ↳ intro

open source  
 rational person

life time value

improvement

• hard to pivot

dogma

dramatic changes

discuss 3 or 4 ideas

how to right process?

• how have I responded?

Framework for eliminating bad habits  
 • identify when violations (habits)

create school  
 curriculum

Android guides

Knowledge diff

codepath

• ios@ apple  
 • android@ google  
 • FB, Dropbox

— identify triggers

stanford  
 • trigger  
 • ritual

change ritual

— hands up

swift, twitter ios lead

MOOCs - completion rates

Code Path

emotional pressure

transparency  
 communication

its sad trust + security  
 are needed

exec assistant

Mark

give veto power

Trust + Privacy



Pellago Roadmap email

Custom Cut

Hackers Will

iOS CV Legal

Campus Cred followup

Jack Abraham Mtg > Next Week

Riviera Mtg <sup>next</sup>

Pay Mithief, deposit Everalbum

Drew Re: Laundry

Set night alarm 11:30p

details

id, desc, created, complete date

Josh Maher

Amazon

Microsoft - contract is offsite, Bing 80-90% revenue

scale - 3 devs, small project → 150

2 month

around July?

provided project management, invoicing

partner for

approved vendor

- RoR

Fio

MS: Matt Lee

sun/lever

algorithmia ex MS

academros code up paper (iterate programming)

↓ licensing



Factlink

• annotations, open source

fact graph

- axioms

Isobell

fact universe

philosophy

falsification: definitions

prolog

Cojure

useful in a few years

democracy - votes

\* stack overflow

not Dribbble for spreadsheet

you need target audience

DBpedia, Freebase, Wolfram Alpha

versal - interactive edy

Knowledge.versal.com d3

mailing list, GEC

algorithm visualization, SF



Virtual Reality, medical pain management  
- games  
tech? makes tech messaging apps internet of things  
not sure about upscale

Danny

idea budget  
verticals  
health care → job types  
- financial  
- health care  
- e-commerce  
- social media content  
industry failure  
value proposition

who have you worked for in my space anticipate

how do I know you're good

job score  
- free → post job for → positions  
- ATS intro emails (client pain)

workflow

Savings calculator

free for 1 engineer

CTA - hangout

→ project

time by industry standards  
question flow  
languages?

interviews

→ gaps

① Audit

② Match

B2B or B2C

volume

outsourced for:

- web ruby, php, go, C++  
- mobile AWS  
- database  
- API

server FE, android

android pain  
- different devices

Practice Fusion

Ken

fish

• see who's funded  
• VCS: start / cis →

• rate  
• avail ←  
• why good  
• paper work + benefits

how fast, least effort, save money

Premium talent  
for as long as you need it

Sell blocks of time

new relic

• vuln all

meet ea most.com } prime

more advanced metrics

new bank

as a service

(step 1)

ML for banks zip code

collaborative proposals

replicate on demand  
side

x hours at this level  
(fixed budget)

Formal language for legal  
into encoders

Kiretsui - angel  
pay to present



Rebargeter, founder Sales V. appnetix  
SDR - sales dev rep, Leads 45 people  
quantia toddlers NOY

Desk not raising  
Send pitch expand conv.  
↳ reach out to competitors

- find short email, educate in email  
go to events, limit 10 customers/day → engage tables  
partnerships - people reached out

have a rubric for qualifying (conversions) networking  
• skills  
• conversions all metrics → revenue > health  
- unify

Stanford 2010 EE is Tel Aviv Max Likelihood  
efficient auctions • intel  
Doesn't want to implement specs isquad

extended depth of focus pictures at different focuses  
• Nokia 200M phones → tessara 60/40 how can I help?  
• Blackberry  
• Samsung Corephotonic → computational photography  
(1) auto focus - lens w/out motor } Israel 26 people  
(2) optical zoom  
↳ 1) camera tuning  
2) algo for app 1 day/week

Responsibilities  
5 companies  
apple, google, ms, sony, samsung  
algorithms system arch.

processing pipelines  
qualcomm, intel, nvidia  
gopro - Zaven

Architecture

• classify, predict, simulate,  
extrapolate/infer, optimize

Operations? aars

CV/Bionometrics authro face biomet

consulting requests

10/2

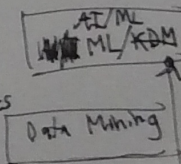
website copy

- google - search
- amazon - infra
- goopro - } cameras
- lytro - }
- fitbit - health
- - medical
- stripe - finance, fraud
- youtube -
- nvidia -
- assembla -
- terminal -
- zendrive -
- workday? -

Valve games

• Morgan stanley - fin  
- analytics  
• uber, lyft  
networks?

hardware  
• robotics + sensors  
• cameras + bionometrics



Search (NLP)  
anomaly  
networks  
classifi  
predict  
classifi  
robotics  
density  
predict  
cluster  
AA  
ecom.

data science  
• simulations  
• analytics  
• scoring systems



2014-09-30 Tues

我今天看电影了。

wǒ jīn tiān kàn diànyǐng le.

我今天看了一电影关于量子力学。

wǒ jīn tiān kàn le yī diàn yǐng guān yú liàng zǐ lì xué

一片电影

yī piàn



10/3 Keaton dinner; Sab, mek, drew

- Virtue is a habit
- compound interest

looking for instructors  
1) Jr.

Startup ML

Mike: Galvanize U, instructors

- codepath
- relationship

2) Sr instructor  
Professorship @ UNH  
PhD Consulting

Galvanize X

enterprise:

- pandora
- ↳

- recsys
- adtech → VC: persona graph, gene cloud, planetos, cryptanium
- anomaly
- classification
- unlabeled, active learning

health

at cost

smaller:

- coaching

PhD hard to adapt

OJT-on job training

py, math

NY/Bos - footprint

Rand: needs communication channel + tempo

Austin, Seattle, Denver

time series ~~ask~~ Why - causal analysis!  
events  
unstructured  
↳ credibility

- learn more of people
- trust  
↳ ctx specific (lang)
- months  
↳ re-engage
- same hours if not waste

Data Stacks

ideal pipeline: them  
1) problem statement + tech  
2) probe  
3) see candidates

us  
questions? hangout / architect  
slack

1/3 of heroku is distributed

1 month

flannel

data science toolchain

not amenable to heroku



Wrotech, find LP  
 Block discovery Perry, 2 yr  
 washer 20-30 deals 4 people  
 seed-A • dynamic pricing  
 • Pilot • collection, big data  
 • intro • robotix Nima, vicarious  
 infra, wearables telecom  
 phonology

(outcome oriented)

list of investor questions. Create template/decision tree

- device, idea validation
- \$
- clients

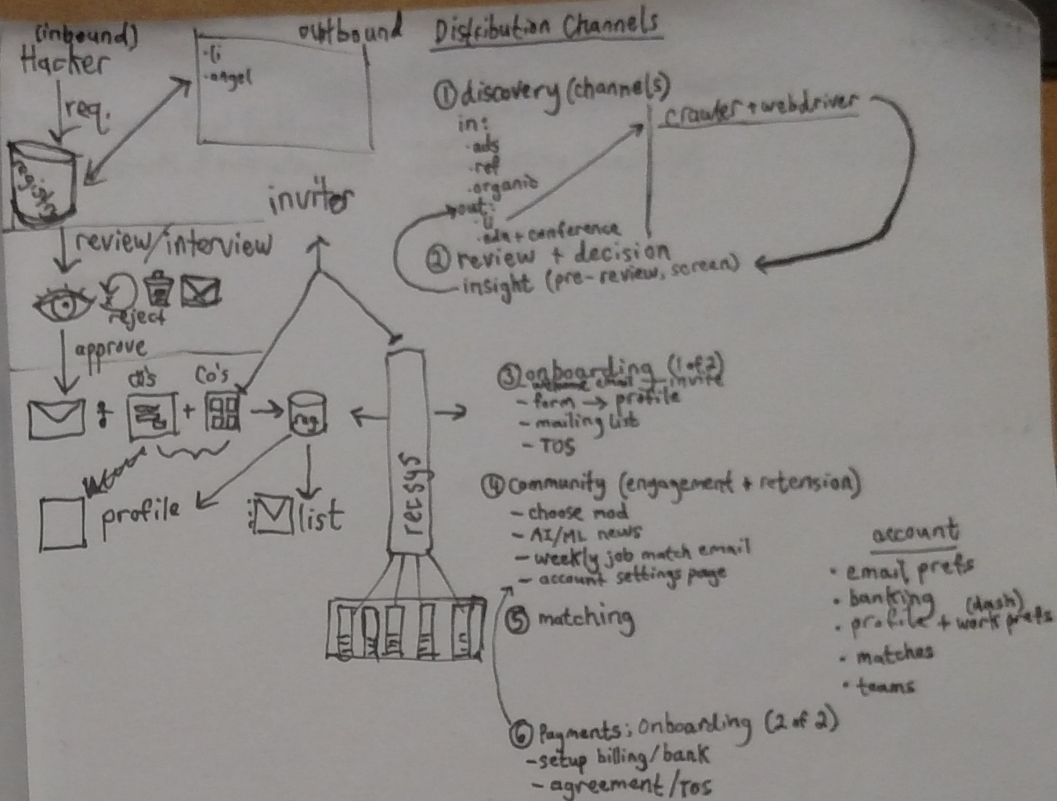


- ### 1) Discovery

- ## 2) Registration + Onboarding

- 3) Create Team  
POST /api/v1/teams  
- seats

- 4) Matching (recsys)



(Hackers)

① • outbound - <sup>(time)</sup>cost? flow? channels? scale/repeatable?

② • inbound - channels?

③ • review - @scale?

- decision
  - rejection email
  - acceptance
- onboarding
  - Wufoo/gdoc, data collection → questions?
  - mailing list
  - agreement ☒
- intro



## Books

Measurement: Paul Lockhart  
The structures of everyday life

Folyo folyo  
design

Philosophy:  
• think at different time scales  
• write  
• compressing (knowledge)

Topics:  
orchestrating, IA



# Canada, data science

intro to Liar @Interana

## Contagant

data analytics as a service

reqs:

- ph.d
- exp. databases
- math
- hard physical science
- bio. informatics, econometrics
- remote access to large data

hive, python → java  
Volume: 3B events  
(mostly games)  
retail

where gaps in team?

C/C++  
↳ mpi  
↳ io

trulia

failure analysis

↳ ai

robotics

- willow street garage

- 1) long search cycle  
2 weeks is great  
avoid 90 days on hand to up to speed
- 2) know selection
- 3) needs for 90 days retained is easiest Sow
- 4) wants Sow 300 - \$2K  
- boilerplate

realtime memory analytics  
- anomaly detection  
- controller bounds on devices  
- monitoring systems  
- Citrus data (psql)  
- erlang campeyanga  
↳ come from erikson

## clients!

- ubersoft - Lenin
- macy's
- .







andy, Tamp  
covert, therm. debt  
eng  
Dared? Joe Trilogy  
twine  
John Moore  
camera  
Playback → implemented w/ his tech  
Topline

atlassian  
missions  
build integration  
got atlassian users  
engagement  
scale  
thousands

- ↳ 2 papers
- py spec
  - visualization (webg)
  - legalize mashup

Edo  
Ted Nelson @IA Fri 4/3

Mieville  
transclusions and links  
1960 - intermedia

The 5th text format person  
document system

- parallel pages w/ visual connections
- globe connected w/ original source
- payment mashups w/ payments

★  
video 3: preserving text wiki: tumblr 1.2...

DAG  
directional  
graph

zipped list

zzlist: json

• micropayments ~40yr ago

united down to bit  
of resource

not just

linked list

trans copyright

↳ specify source (require)

server-id

doc-id

version

resource?

↓  
reference parts  
of resources

• frames, coords

use

- notes
- free service
- like dimensions
- time + space + feeling

- how do people get paid?  
↳ what about media not digital?  
(some kind of reference card?)

xanalink to content

- index (int table) directory? symlink

doc distributable

metadata/text

annotated media w/ meta data

- open annotations

- docverse

Ted Nelson thinks url is great, addressable docverse



Primes

base case: 2, 3, 5, 7

Mek's sieve

1, 3, 7, 9

~~1~~, 2, 3, 5, 7 || 11, 13 || 17, 19 || 23 || 29, 31, 33 || 37, 39, 41, 43 || 47



prime cannot end in:

a) 0, 2, 4, 5, 6, 8, ~~9~~

b) digits cannot sum to 9

13  
17  
19  
23  
29  
31  
33  
37  
39  
41  
43  
47

9 (6)  
15 (2)  
21

1	3	7	9
1	3	7	9
11	13	17	19
21	23	27	29
31	33	37	39
41	43	47	49
51	53	57	59
61	63	67	69
71	73	77	79
81	83	87	89
91	93	97	99

7's what is 2 (period) 13  
% 7 = 3? { 2, 14, 21, 28, 35, 42, 49, 56, 63, 70  
77, 84, 91, 98

(a) (b) 1, 3, 7, 11, 13, 17, 19, 21, 23, 27, 29, 31, 33, 37, 39, 41, 43, 47, 49, 51, 53, 57, 59, 61, 63, 67, 69, 71, 73, 77, 79, 81, 83, 87, 89, 91, 93, 97, 99

4, 9, 11, 14, 20, 25, 29, 31,

21  
33 - 11  
49 - 7  
63  
77 - 11



# Chem

## % Composition

$$\frac{\# \text{ atoms} \cdot \text{atomic mass}}{\text{molecular mass of compound}} \times 100\%$$

e.g:

$$\% \text{ H} = 2 \times 1.008 \text{ amu H}$$

## empirical formula mass

e.g.  $\text{H}_2\text{O}_2$  is  $\text{HO}$

$\rightarrow 17.01 \text{ amu}$

mass % of

$$1) \text{ calc mass of } \text{Li}_2\text{CO}_3 = 73.89$$

$$2) \% \text{ Li} = \left[ \frac{(2 \times \text{mass of Li})}{73.89} \right] \times 100$$

$$\% \text{ C} = \left[ \frac{(1 \times \text{mass of C})}{73.89} \right] \times 100$$

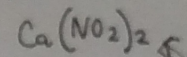
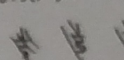
$$\% \text{ O} = \left[ \frac{(3 \times \text{mass of O})}{73.89} \right] \times 100$$

empirical formula:  
or %, assume 100 g of element

$$\begin{aligned} \text{O} &= 16 \text{ g/mol} \\ \text{N} &= 14.007 \text{ g/mol} \\ \text{Ca} &= 40.078 \text{ g/mol} \end{aligned}$$

73.7g

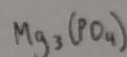
$$\frac{16}{16} + \frac{14}{14} + \frac{40}{40} =$$



132.1 g/m

$$73.7 \times \frac{100}{132.19}$$

particles in  $\text{Mg}_3(\text{PO}_4)_2$



mass x parts  
mass

## Molar Mass

grams of one mole of substance  
mass, in

$$\text{molecular mass} = \sum \text{molar mass (e)}$$

each element

it matters whether

\* use mass of monotonic element and x by qty

Converting Mass, Moles, & # of Particles

multiply by type of denom.

$$\text{eg. } \frac{\text{grams A}}{1 \text{ mole A}} \times ? \left\{ \begin{array}{l} \text{multiply by} \\ \text{moles to get grams} \end{array} \right.$$

e.g. 3.26 grams of water, find # molecules of H and O

$$3.26 \text{ g H}_2\text{O} \times \frac{1 \text{ mol H}_2\text{O}}{18.02 \text{ g H}_2\text{O}} \times \frac{6.022 \times 10^{23} \text{ molecules}}{1 \text{ mol H}_2\text{O}} = 1.09 \times 10^{23}$$



Beasprock boy ely

type/select company ←

• co. mission?

• domain v. techs

• login vi li8

position

• quality

jobfig

8.11 crane

dt

Austin

deep-dive

• glass door

• find the best

demo

(comm. team) ✓

Monetization strategy? promote co's? freemium? deal w/co?

job types? sources? Indeed, angel

search/recsys start?

needs? team? goal? use title  
(size)

Stack? google app (db)  
python angular

1) db DAS, super f

2) taxonomy

3) algo - training

8k skills

→ domains

quora (iron)

bridge, go

istahan

• alex hake

(sean parker)

• beornulf

cluster

mt up,

#irc

• feedback for

click apps. on

(for house) exp

• wisdom-salon.com

• node.js workers?

• ruby bundle gem

(pydc)

• js ita go?

• folk carry do not

carry right, democracy

A1



## Library of Resources/Bookmarks

- curate + share collections

@tag. barbasicentral

• gibbon.co

• quora.com adan harvard (AI)

★ how does a collection (resource) get added?

- find the best comp. econ

• tag people on resource

(they can approve/reject)

so quora reddit Backlog

user account <has>

- reading list (books + r/s)

idea

• ask for resource, source

- history chain (browser resources)

earn points,

music zerotier

- points (karma)

put up bounty

imgs

- interests + recsys rec/products?

(requests)

- questions + curricula lists

pagerank of resources (based on lists/bookmarks)

resource can have/belong to n knowledge maps (classes)

gaps:

- progress

concerns: privacy (infinite)

topics + skills

onboard: (collections)

List 3-5 topics you want to learn about: (skill tags)

e.g. Chinese, AI/ML

candidate MVPs

1) share reading lists

2) ask for source

resource:

• depends on x

start w/ curricula:

1) AI/ML

2) Chinese

3) Math ←

4) CS

5) Music

wikipedia for learning skills: (captcha)

Khan Academy → harness human comp. (duolingo + esp game)

connect + ER the best resources

Great Conversation of Knowledge

a) global graph (DAG) e.g. wikipedia

b) subgraphs (lists) e.g. how to cook

↳ can have subgraphs/dependencies.

c) auto gen ~~the~~ curricula for Khan Academy

OK. what does this look like?



• Corp tax  
 • Personal tax → BoA, <sup>issagi</sup> bond, vanguard, fidelity  
 instacart + detergent ✓ stockfeed  
 futon + dresser? ✓ stats geo-gis  
 Chinese Python  
 read calc + do Khan Co-name  
 upscale roadmap java, python  
 • custom cut checks ATS → NLP  
 deposit checks ✓ what % accuracy?  
 • get bikes relevance  
 Roth IRA 2014 + 2015

1x a month, write about creations: german  
 deadline or consequence learn immersive + freetling  
 minimal pairs gwintrob.com Phobias  
 intel symmettry sequent Now → extenets getty  
 webware → clear story, xeras → IA

→ appium, David  
 Tamone  
 Sourju @ upsider  
 Sunny, Hines, with born ale  
 on life goals, research groups  
 FMO5,  
 sunny, jason, tamone, nachel,  
 luna, stephanie, david,







FL 2015-04-12

lead gen  
invoice financing  
lending, underwrite price  
→ fear: regulation, capital  
blue print, concerns  
50-100M req  
online SBA

deposit: demand, interest  
software play, niche, change policy,

• turbo tax, intr. it for loans

• why can't others do this?

• why is a SBA loan hard?

• 3 weeks

• reqs: tiers (make it easy) →

• dist: mobile app

• exec summary

→ refine pitch

• SBA demo

• clear up finances

→ intro's: stripe

• prove loan model

• security

★ silos = not caring about it

demo

automate loans using cashflows

web repl

discoverability

long now

ft. mason

2015-04-12

entry rec

ret con

snch: monitor split

Moral imperatives

• global warming

• energy

• fact checking

• edu/learning

• measuring information gain/value of info.

• preserving/storing knowledge

• health → food

• housing

• market? pol?

• communication/access/freedom

• ER, dedupe (RDF), structure

(open ER, RDF)

open gene the human project

(a) 10,000 year clock

long now

epic alt to www

• db of ER'd #people, #books, #papers, #urls

→ use wikipedia? (Ground Truth)

what gets us 80/20 and has good data sources?

what are they?

lxpk:

• sarren @atlassian (jira)

• episodes, installments

• jan paul

• long now

• lxpk @ caltrain

• Palo Alto (meta)

• wit.ai

• AI ML lang

• draw winget

• Justin Ormont

• lisp

variant: in a few years

AI, crypto, NLP

one note - long

annotate & recording

voice search

• auditors

• always on

2 books

• moonwalking

• the most human, human

• letters from source

gates notes

bestbookon.com, gmail

AI ML

(a) 200k + samantha

terminalia hawk reactor

what kind of knowledge is important + why?

books

types of knowledge

why?

ideas/philosophy/theory

implementation, spec, system

fact/QA, theorems

observations

reduce friction + cost of book

driver scanner bound

• Conversations

• Curricula - how are ideas learned?

• genealogy - how are people connected?

• books, research papers

epi, edu, actions

change process

liquid democracy

structure

alternative to http, latex

variant

• yariv sedan

• Bret victor principles

• literate prog. py

• jeff fchang

• (unch @ cohost)

• AI ML lang

• wit.ai

• draw winget

• Justin Ormont

• lisp

• lisp

• lisp

• lisp

• lisp

• lisp



Chinese 2015-04-08 13:20 PDT

请问 qǐng wèn - excuse me...

多少 duō shao - how many/much

要 yào - need, will have

钱 qián



2015/04/10 @IA w/jeg

public facing

3 [ menu projects

- goals
- projects
- specialties
- time

(a)

(b)

(c)

★ (d)

(e) Api presence

(f) <internal>

(g)

- collection of examples to highlight + visualize

- low con

needs a 2nd hackathon

how to simplify IA

• ci + tests

• efficiency

• dashboard

• culture + tech: don't break

Senior devops manager ~130K email job desc. ←

[ • Jessy & wayback switch to python.

↳ playback Eng as 2nd lang

Confluence: global arch. map

(d)!

1) run code against IA cluster: test bed, vm? (RFC)

docker

2) menu of projects

apis RFC

(e)

shoot for 5 examples of

3 [ darkbot, may 6th

0 presentation, release

2 [ talk to Jake

open library ↔ wikipedia +  
aggregate from amazon  
dpla, libcongress,  
etc.

★ meta data ingest

(b) Brewster album

Covers

find image (rec)

CV

(g)

(c) post curricula

(f) code release

process RFC

20 yr vision

Next steps

• access to confluence + jira • presentation ③

• contact Jake sign in

• RFCs

• Jessy

• sourcing

• intro architects re: (f)



- Cameron red
- garden
- Partner @ Mi
- ian@late
- politics - essay
- website asks culture
- Ravi
- Jessy
- bottleneck
- ↳ send spec:
  - upgraded client spec
  - to arch.
  - app engine
- housing
- upscale: lang
- 1 note
- one side
- hired's #1 client

20% common uses  
 org  
 • back  
 • isfahan → gulp + npm  
 • graph.js

bootcamp

## Bridge

- gajesh - tumblr @ NY June
- John
- Jan

3 Pillars  
 - express issues

set of positions  
 roles

20 partners  
 positions

★ Connect like minded people

- collection tags
- outcomes
1. influence 20%
    - ↳ changed outcome
    - ↳ pledge
    - ↳ discovery
    - ↳ identity verification
  2. more transparency (make interesting)
  3. accountability

Social engage  
 Demand Progress  
 Brigades  
 for issues  
 support action  
 social pressure  
 • discovery  
 • bridge

actionables:  
 • data, recsys  
 Microsoft:  
 anonymizing data

netflix

store Data Challenges:  
 Predict  
 • connecting people  
 stock  
 • hadoop map reduce streaming  
 • JVM deploy  
 • Kafka

and causes + user graphs

web annotation working group

- (ops)
- Erik Rytberg
    - stats/ML
    - code mentor
    - Director of Engineer
    - 3yr x p running team
    - data pipeline + insights (people)

- John Gonzalez

smaller scale data

indie web  
 Social Working Group  
 group

Take hypothesis

Laura Paghore ORCID - trust ids

Chris Blow Meedan

Rob Sanders

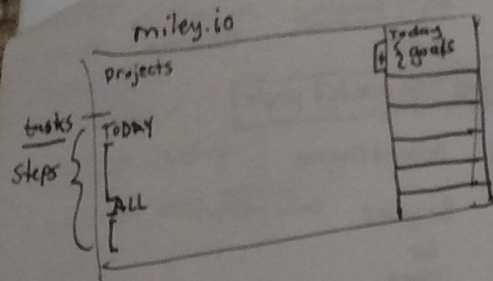
Take Hardnell @ hypothesis

(standard)

Alex Graves



## Scratch



how to encode

- ideas
- people to contact
- req'd daily goals

## 2015-04-23 TODO's

- T1) Set deadlines → Roadmaps
- T2) Queue emails →
- T3)

### T1 Roadmaps

- a. archive @jcg
- b. miley @me
- c. browser/isfahan @drew @josh
- d. graph @me
- e. research
- f. (meta) TODO's
- g. pyoc
- h. math.mx
- i. essays/blog
- i. Annotate

- j. usb
- k. chinese
- l. bestbook
- m. upscale

### People (index)

- 0)
- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)
- 9)
- 10)



## Darkbot Chat

- research audience
- interest? which services?
- who I am - coordinate developer community
  - ↳ api design
  - ↳ help w/ features
- open source
  - @mekanpeles on github
- @liwike
- content value prop
- how to use + docs
- client libs
- state of APIs + goal + services
- ARCS
- Contributing: why? [a] success to VMs
  - eyeballs millions
  - impact shaping our APIs, lot of room for improvement
  - mission
    - making knowledge accessible to those who wouldn't otherwise have it
    - opportunity to create your own service w/ IA hosting
- mailing list
  - make sure setup
  - 10-15 min
  - need: ERP open source redise enterprise resource planning
- 1) Intro (me) tons of content (pedabytes)
- 2) value prop (impress) - books, relevant
- 3) ideas, how I use APIs (show opportunity) openspec.org
  - write hacks around digikey opentrip.org
  - wayback js widget oortport
  - archive 2.0 (before redesign) collection/archive of open hardware specs
- 4) APIs + Client libs (state of APIs + docs)
- 5) Contributing, why? see [a] above
- 6) ARCS
- 7) Future of community & APIs
  - Mailing List CTA - iPad? tablet?
  - Come talk to me abt your idea, we'll see how we can help.

## FWD.us - immigration

- what is the role of tech
- Jeremy Heyman "Old Power, New Power" framework
- Sai, Mark Meyer
- connect w/ legislature (tech) → communication
- great
- what are the immigration issues
- who are the leaders
- convert house/senate → web conference
- 1) defensive executive action ✓
  - DACA/DAPA 4-5M people
- H4)
  - 100-200 spouse of visas to work ✓
- entrepreneur visa @Akhil
  - if funding, 1-2 yr visa
- government + tech?
  - acursed sell
  - diff between right word
  - Mark Twain
  - Ted Nelson's fav quote
  - tiling window
  - n "views" compass
  - of zigzag
- single point of community
  - what action could they take? / subvert? } stories
  - what is political pressure around immigration
  - Amy @causes change.org
- borders, citizenship in, out exchange
- i2 bill: orin hatch
  - green card recapture
  - 14b cap
- Presidential election
- measuring impact
  - culture
- prototype solutions meetup
- create lists of interested people
- mirador project.org
- G28 VTM
- Minshun dew
- 2-part keyboard
- each part is a mouse
- sample file
- 2d B flat (n/2 d)
- "park windows"
- 2 1/2 deep (overlap)
- Ron Beckleram
- lib of sentiment + legislators
  - ↳ api
  - ↳ library of congress
  - ↳ google civic lab
  - ↳ policy team
- collect data ideas from community
- auditing + freedom = ?
- 2.0 teams
- monthly meetings
- do scraper of members of congress → sql
- which members voted the most?
- Ted: send file format
- MeK: load real data
- read cosmology paper
- canada.com/zigzag
- snippet on zigzag in linux



# Graph Theory

## Ranking

### 2010 Latent Demographics

- gender
- age
- politics

o Good

life goal

HPC twitter

• Kartik

• Gary

• Monica Anderson

sens.ai

data science

on

recipes - recipe

generation

FMOS

regularian

substitution

email -> info

Co. Name?

privacy

Name

strikt through

if tag rejected

untag

Draw Winget

World Wide Graph

• traibe de documentation

GLUT 190

• the possibility of a

GLUT 191

universal subject classification

working in context of the mutable

social forces of scholarship

• Monde

• As we may think

## Catalyst

Twitter -> Twitter

FMOS

inventing on principle

schema.org

augmenting books

annotation

(Page Rank)

SEO + traffic

demote fake/spam style

entity resolution

Knowledge base

- algo

fb ui

Recap

wordpress plugin

+ schema.org

people + place

freebase

backend

analytics

graph.global/user

• Matt Mulvaney

• open journal

facebook post

papers not approachable

Archive

MVP

math.mr

text map

(acts)

Knowledge graph

UHD college park

Chicago Lib

Archive Lunch

project ideas -> best book on, etc

intros

how to read a paper

• FMOS

• schools

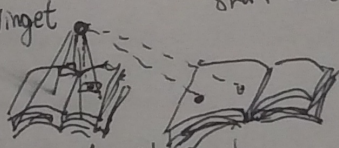
• Needs

## Themes

1) navigate research

shortest path

2)



World Wide Graph



- Separate mission creation & Fees  
(how to separate atomically?)  
pass param for transaction data to Mission POST  
conditional → from js

• 23

2015-05-24

Sun, May 24

### Goals

- language
- research paper - Fundamental Concepts in Programming Languages
- get to page 10 in MLP book
- operier framework ~ /openaltk
- best book on:  
→ openlibrary (draft mvp + business model) Kgas, john klein
- current solutions? good reads

Mon, June 1

- Hank or Tracey - Test Set ~ (no prod)

- .deb for git modules

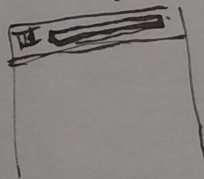
- Sysadmin - Wiki page; in gitlabs README cfengine - cluster management  
→ bring up nodes

- ★ Catalogue (Hank + Tracey)

- ~~Web~~ What Should the Archive Look Like?

- What are their top assets?
- What do users do?
- What do users want to do? → ask them
- What collections are/could be most viewed

groovebox: merge musicbrainz ~ 6.5K artists  
→ resolve/dedupe songs  
→ openlibrary for music  
create groovebox ~~for~~ archive.org search results



### On Intelligence

- p. 15. 1943 Neurophysiology  
McCulloch & Pitts

idea:  
p16. evolve "algorithms" and  
data structures via CNNs

- p. 15 p2 eg of bio & brain  
logic gates & nerves

- neurons might be "living gates"
- ★ p. 20 chinese room fallacy: understanding  
the software is the intelligence.  
one (software) on either be expert  
provided (expert system) or evolved  
by one or more systems (consensus).  
The former exhibits intelligence. The

→ latter creates an expert system.  
• 20 p. 3, yes they do this. learn  
usedicts/lookup table. Be taught.



1) Incoherent using different data portals (Problem) [curricula] use to publish website

- browser
- style sheets
- markup lang
- data source
- API
- relationships

Purpose:

• Publishing tool which ~~encapsulate~~ encodes context and the way we think.

joining reading & writing

• stacked cards/modal

Direction:

- versioning
- provenance
- zoomable semantic context
- distributed (long term) ipfs
- peer to peer interaction
- easier than wiki to suggest relations + annotate
- annotations

Canvas  
• page  
• sequences (curricula)  
• annotations

(new layer)  
spatial decisions  
+  
quick actions

What will it be able to do:

- blog/wiki platform

a) blog/notes/wiki

- 1) search entities → auto-complete RDF
- 2) create entities → zoom into entity graph
- 3) local + global reference (or in between; peers)
- 4) dependencies (article, paragraph)

(type of edge/dimension)  
part to content

(landing 5) TOC how do we get to doc?  
• timeline (most recently added)

- direct link to content
- space > topic/filter
- sampling

6) adjacency, similar, related

whits  
h) peers

(new layer)  
logical blocks

Graph of

hierarchy (views)  
1) curricula  
2) articles/pages  
3) sections (flexible)  
4) entities  
5) targets

Published/Not Published

- save target, read later, flag
- every section/annotation unit should have a (target)
- create from me

Getting out of morass.

Entity Target Types

- 1) People
- 2) url
- 3) book
- 4) targets
- 5) Place
- 6) Event

Curriculum  
↓  
articles  
has no broader  
↑  
noted sequences (graphs)

examples

- language learning
- 1) paragraph of language
- 2) euclid
- 3) the foundation

Zoom to edits

Layers  
blog

1) Curriculum for encoding thoughts/making a tool (which)  
What we can do w/ or to it?

- 1) add to curriculum
- 2) create new
- 3) declare dependency (connect curricula)

What is it?

• a directed graph of articles or curricula/sequences

variables

- 2) articles (no specified targets)
- 3) entities

→ (spec out)

4) targets ??? Prof.

1) election or not visible

- 2) set frame minimal UI for curriculum
- 3) choose example: foundation
- 4) Do...



- people
- rfc's
- foundations

start w/ app  
↕  
start w/ api

essay

how does a project become a foss? Rules

- lock in "golang"

case studies: of C  
linux, govim

Phand UI engine  
wikidata weekly posts

↓ should really be  
protocol level  
how does one create/  
publish semantically  
tagged docs?

questions + goals  
- what is the  
value prop for  
researchers?

- How do we stop  
"them" from publishing  
PDF (near markup)

metrics

OKRS  
- success  
- what are people doing  
- what should they be doing  
- Δ is off.

Critical: common

IPFS POST UI lib, js  
- publish file, see versions  
- convert tags ↔ wikidata IDs  
- auth w/ API server

how do we  
retrospectively import  
existing works?  
- create corpora [1]  
- markup documents [2]  
- open annotation + public

streamlike  
data viz

Intro + draw  
data viz

Project 28  
graph of  
RFCs

archive.json

(DAG)  
graph

dependencies  
tell len  
to prepare

prioritize issues

mtg

POST

David  
dias

must be  
unambiguous  
to demograph  
identity?

IDs?

identifiy?

Wikipedia?

not in? (conflict of int)

new? (auth (edu))

open research.net  
(growth server)

essay

- Juan

- Met

- Draw

- Harlin

- Santiago

- Jax

\* fast link

forward  
info

0. Josh? intro:  
1. legal? nary, mihaw

2. did we accomplish  
your goals? label, w2g  
3. priorities + PM  
email me as  
following

4. Ben  
(thrued)  
fossils

to restrict

iiif 2015/11/29

open source dragon?

2) translation layer → /data + id + file

3) Manifest factory

4) archive - manifesto → iiif translation layer

archive - manifesto → iiif translation layer

reqs: jpeg + min-size

item

Collection

Wrap-Up

1) Groovebox.org 1/2

2) iiif ✓

3) api.archive.org + developers.archive.org ✓

4) Mileu\*

5) 23 + 24 (23)

6) pygc ✓ (cli - branch?)

7) the foundation

8) open w2g.js\*

↳ wiki data

Wiki 2

2015-11-29

1. Create corpora of meaningful works or metadata (Knowledge)

- taxonomy of math (math.mx)

- primitive blueprints (the-foundation)

- metadata of all academic papers → ocr, abstract ← essay about pdf

+ coalition against

2. Create composer.js (blog, wiki, etherpad, gdoc) w/ academic semantic tagging

- use wikidata IDs in essays, js replaces them, e.g. q1234

- over IPFS?

4. APIs (first-order)

3. Markup documents

- math.mx, the foundation, essays

↑ merge

5. Peer review / interface for IR (e.g. Xaradu)

- curricula generation (e.g. Chicago)

- traverse, navigate Knowledge graph

• Do example for 5 papers  
- Jan (JP), Brett Victor, Drew, Ted Nelson

1. Compose UI

2. tag-corpus

3. file storage (IPFS)

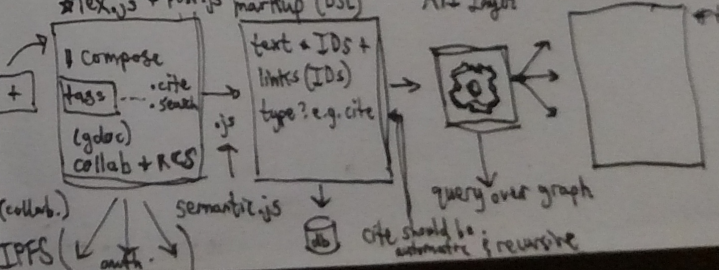
4. markup DSL

5. API + Query lang

- graph db?

6. UIs

- profiles (user)





• clean water,  
delay stop pipes for 30 sec

### Ideas

- Mileq
- Chiffrius
- bastbookon
- groovebox
- poly
- playback
- qst life assistant (quana)
- movie recsys
- porndora - save your preferences (pseudonyms)
- distraction monitor, accountability buddy
- be yourself. gift (forward 2 pages)

how does everything connect?

- Mileq, groovebox, poly

graph.global

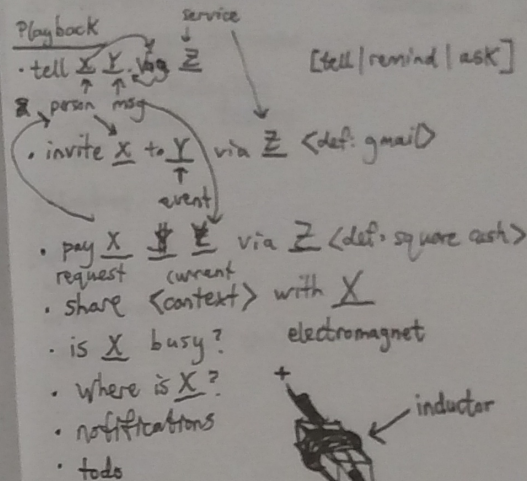
### Idea a Week

#### • build framework

- roadmap doc (of Milestones) + dev. cycle
  - habits: when to contribute (daytimes)
  - analyses
  - gen list of ideas
- 1) Finish Mileq v1 (start there)

A voice OS

"Trigger"





## Open Library

Assayn + 2 dev + En (Alex) + Anand + Natalie 3 people

↳ feature to allow mods

↳ wiki

see/cont.

→ 1) Affiliates + Advocates

2) Partners - ask Alexis + Robert + Kelly + books

3) Supporters? Wikimedia

4) Metrics 300M, 1M views  
github  
SPs

↳ 5) Volunteer + Mailing List

• greg Lindahl • ISBN proj

• Tom

5) Roadmap

Develop api

w/ custom

server endpoint

(specify implement spec)

PM

• Brewster

• John

• Natalie

• Gio

• Karen Cull

(lib of congress)

• Andrea Zucchi Zanni

(wiki source)

SPS  
humans, meta data

~~meeting list~~

Questions

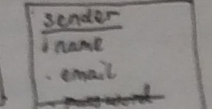
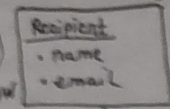
• Assayn

• Alexis

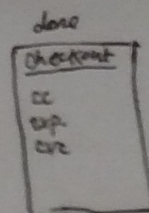
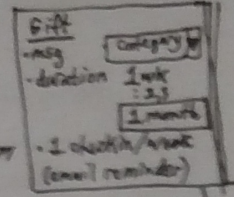


Be Yourself, gift B2C → C2C marketplace finding

1 Row



@jessey



create user  
✓. trip pass?  
- no pass?

personalize  
personalize?  
(gift wrap)  
add to cart

gifts  
- return gift

transactions

email checkin @muk

cc: checkin@beyourself.gift  
done@beyourself.gift

\* just reply to reminder!

(no gift id) → email sender

0. Landing

1. Flow (angular? react?) { how it works }
2. Account (python)
  - set password
  - activate
  - see gifts + progress (dash board)
3. Emailer (send mail/mailgun)
  - reminders
  - cc/.checkins
4. Payments (stripe)
  - pay out
  - refund if gift declined
5. Auth + Stripe Connect.

v1 MVP

v2

- activate
- refund
- set password



biomed concepts <sup>naomi/cowdrey</sup>

★ medgen dict/graph ontology

omim, hpo

★ metapub + find it <sup>locust</sup> wrapper (write paper) 3.4

pubmed articles 26M → 25% in pubmed central

[ NLM metadata <sup>from for</sup>  
mesh tags (human curated) ~40% open access ] NIH  
(unlisted) Biomed  
central

★ Find it <sup>pmid</sup>

~150k

"content communities" - 3 mon. grant?  
- connections

~63% pdf

various pubmed

"hgv's song"  
lexicon

compliance metrics  
<70%

indication 6

task distribution

1) scale (proxies) → lists

2) research server w/ mysql ←

M1 pubmed central pmc import

• distributed crawler

- john + Kenji

- alexis

- john + andy bezella

M2 grant + post/paper + help

M3 API + interface + all open

- citation generator

- doi ↔ pmid

M4. interface ★



Hallo World

Books

food blog Log

• OCR

why's guide

embassy-vivian (email)

Shawn Austerday (Austin, Tx)

• PS - blub

Sarah Allen

• delip - food

• legal industry

• tax code anthony

• social: balanced rules - 18F <sup>activities</sup>  
understanding + simplifying → reform

Carl (algos)

↳ google list

• google

• greylock (Tara)



scribe - Kelly  
delta - e

application → field?

What are highly recursive/hierarchical things?  
- Math, manufacturing, biology, ~~nanophysiology~~, physics

→ curricula

context

source

rel.

target

math.mx

electric  
generator

→  
component

magnet

• elements

add Q-Q (a-z?) vimperator hotkeys to search for entities.



why figures  
 why didn't it work 5 hrs  
 "actually"  
 do definitions earlier  
 time is strange  
 slide 4, no idea what talk is on or why I should care  
 avoid "these", it these two (imagined audience is blind)  
 bad? not specific enough  
 what slides 5: why fools errand?  
 6: what is the talk home message  
 I should have gotten  
 current state of things  
 9 sections 1) issues using things  
 5m each 2) dates

list of all library collections that want to be digitalized  
 ↳ Genealogy Sonoma Library

100 - spreadsheet → EA?

- coins API, Newman <sup>get everyone on same wavelength</sup>
- who I am - doc on beeminder API

Q&A

Philosophy work:

• infer context from sounds (Kitchen) Playback

• 20,000 h, 20% Mission Co-op had social network

• grand- rounds (health)

• "guesstimate"

measuring uncertainty

by distributions (predictions)

- templates + <sup>real time</sup> integrations  
 business decisions (Empire)

• problems

- startup revenue (projecting)

- user projection

needs: AI/ML

• Salesforce

• Internet Archive

- Wikidata

market

• Jack

available

"how to measure anything"

Utilitarianism <sup>going what we can</sup>  
 effective altruism "Give-Well"  
 cause neutral (pre EA)

what does math look like

ironically, the spec isn't done via effective altruism

"super-intelligence" approximate utility

iterative deepening

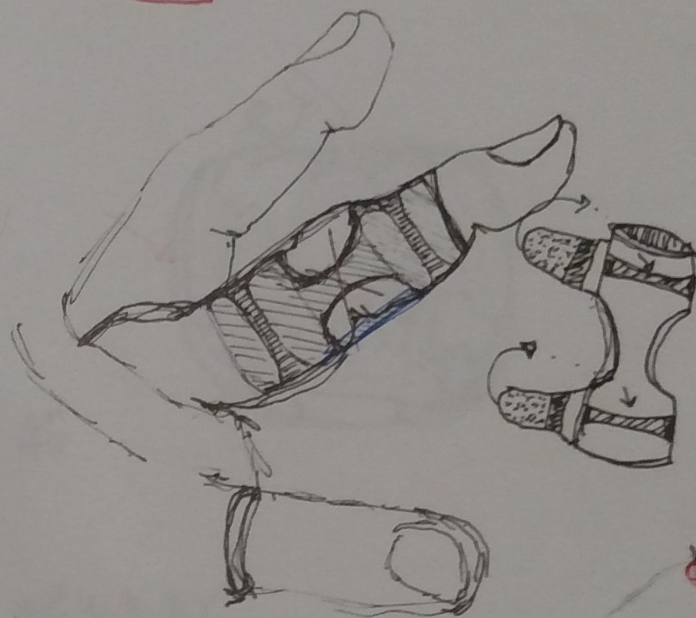
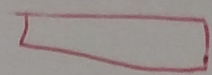
FHI

• math curricula generation

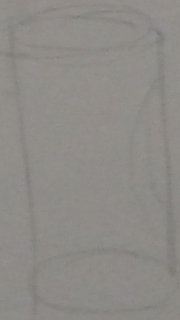
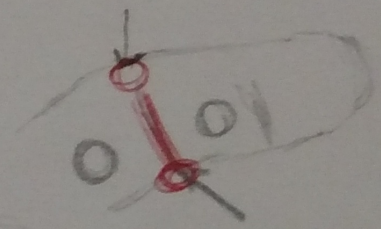
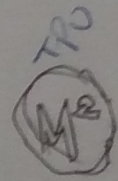
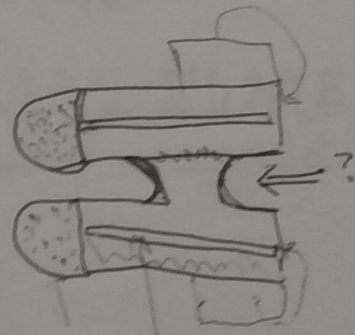
• links of humanity, for future

Dustin Moscovitz

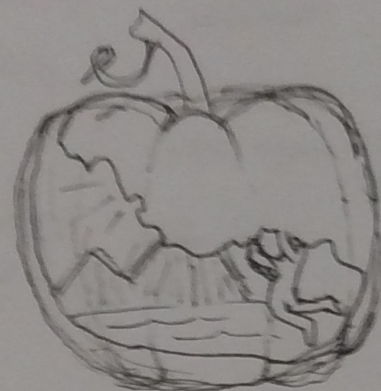




perhaps  
velcro?  
(on top of finger)







🍂

🍂🍂🍂🍂

🍂🍂🍂🍂 你好世界！  
hello world!



manifestation on item file list Alarm.com → IoT acquisitions  
300 people → solar  
verizon - cell chip Z-wave 700K homes solar US  
weave → Zigby blackboth consulting 400 K

Sustain mid market, 250K .gov, biz 100 gardens locus energy  
public transit

Mass State housing authority  
(energy)  
env. finance

• Josh Bangard  
• Erik Ryberg Demand Response  
• EnerMax

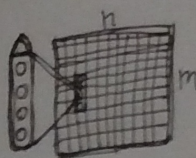
1/2 page Exec Summary

Bigger Tech Co.

MBTI - rational  
4 groups

KPI "  
Data "  
Interchange Transport Protocol





- every turn you get 1 move, 1 shot:
- should shot range be limited by ship type & location?
- certain squares are perks:
  - reveal 4 squares (block)

Shot → iterate over ships:  
 if coordinate in ship.range:  
 • update hits hash array (history)  
 • ship as "hit"  
 • broadcast msg

define ship options (rotate left/right) & forward for each ship

every ship has a range  
 Player.start = {}  
 • configure/enable game  
 • place ships  
 • game start, player turn set

- How to measure anything (Douglas Hubbard) 3-6
- risk profile, sales forecasting
- Sam Savage
- Lonestar Consulting (Erik) CEO, Texas Instruments VP

Tech-cofounder: Matt McDurman  
 Google

inroads

1. Free private accounts to VC partners & VCs
2. Get list of 10 perfect companies + use cases  
 #credit cards, \$
3. alternate positioning
4. solve your own sales w/ guesstimate

• Alex Selig  
 • Ilya Lichtenstein

- sales forecasting
- tech people not in charge  
 great examples  
 estimating valuation

model your risk  
 - loans - has data science  
 - biotech + drug research  
 - security  
 - insurance - has data science  
 - PM  
 - military  
 - investing  
 - energy (P&E)

• P&E, ...  
 • Kruger  
 • VC.



peer review  
↳ good science?  
↳ impact?

Archive Lab invite \*

Cancer commons  $\leftrightarrow$  (Naomi)

usmac

Many Labs (Citations) (Peter) + Mirek

Gordon Moore

Food Provenance

Distributed identity

FMOS - trust/respect  
matrix

Web/Germany

abstraction problem

\*Jaron Lanier

Who owns the future

Google's Pay for websites  
(no ads)

Personalization { voting  
communication

(Juan) pseudonyms

(~~Matt~~)

Wikidata

PLOS

Crossref

publisher member group

Stanford: tool for book  
[content] publishers to

semantically tagged  
questions

Playback

London

Archive built

Naomi

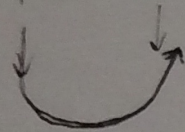
Peter + Mirek



1) registry of <sup>(data)</sup> Sha256 of archive ids

2) ipfs node 30 TB

3) ipfs id  $\leftrightarrow$  Sha256 ids



IA = 15 M

open journal

collection

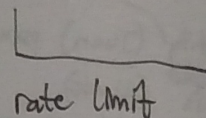
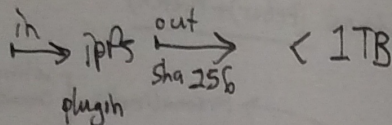
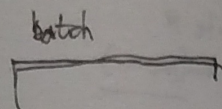
Academic Papers / openJournal

\* 10,000 as a pilot  
global registry

db  
inst\_id

archive

@davidar  
@jberet



metadata format

Keep db of Sha256

10M blocks

→ create 10,000 for starters

↓  
search index

~~no index~~

Demo 1,000

- pubmed central - naomi
- arxiv.

\* set no-derive (on upload)

\* check if — exists

NIH Moelchen  
Daniel Mitchell (sp)? - RIO Journal  
open science prize

standards for open science, pre-registered science

ThinkLab whitepaper

improving systems + protocols

ORCID

@laura

Internet Archive

identity experts @Juan

→ identity @Jonathan Dagan

FMS

@Ted Nelson

@Mark P. Meyer

respect matrix

→ B

bounty source

gratias pay

git.tip

} find

\* projects

respect / rank topics

protocol

• intellectual honesty

→ test cases written by others, phd defense, board

trust + accountability

open DOI

→ digital signing

opensource malaria  
(Australia)

Think Lab

• bizer + community, tech co-founder

Kaggle for academia

Journal  
Himalstein

academic papers as modules

angellist for academia

open data sources  
heterogeneous  
networks  
licenses  
(data sets)

→ hacker

bioinformatics

→ grant program

(experiment.com)

proposals  
(in public)

← distributed?

→ selection  
peer review  
in public

Pilot

1) make list of 20 funders

2) 3 funders

topic:

meta-research

AI safety

community: - mirtex

o) Publishing / scooped

i) minimize risk of upfront work

• FMS

• identity

• Ted Nelson + Jason Lantieri's -

• pilot



Scientific Communication Article processing charge (APC)

hybrid journals Bio K to open access  
BOLD OA PLOS, Univ (Green)

Set universities onboard →  
follow the money → IPFS

XML/JSON  
PLOS  
PMC: large issue \*

Standardize metadata  
assets  
significate  
PLOS  
instructables

CDL John Shiolaki  
California Digital Library

CA ecosystem  
python notebooks  
methods  
instructables

Nick Peterson DE  
Connor DevOps  
who syndication?

DOI  
SUNY systems  
CDL

35,000 articles  
H-index  
Barry + index of DOIs  
green repos/google scholar

→ science tech medicine  
6.8B revenue  
3.5% ↑

gold = 12% articles  
OA = 20%  
green = 8%

plos.archive lab.org  
hypothesis  
→ data sets  
dataxiv.org  
@slack channel

sub  
Springer/Nature  
hindawi  
elsvier  
Wiley

PMC  
meta-research  
uber-research  
mega ONE

1) front  
2) discovery/interop 1/3  
3) leveraging  
→ by Watson  
→ disease threat  
→ modernizing medicine (Ligand-based)

- 1) archive metadata
- 2) CDL
- 3) slack
- 4) gitxiv
- 5) naomi + PMC
- 6) internal contacts



2016-02-25 Thu

4 barrel, Greg & Trent

Internet graveyard

- Dist. www conference
- Library initiative (ipfs) [papers]
- scholar.archive.org
- life extension, ann, vsp, gov privacy, facebook
- bioethic, class action, competition law
- greg - policy Berlin bci
- big chain ipdb reputation

TCP ids?

Trent

- cognitive announcement
- AI
- distributed

bigchaindb

ipdb.archive.org - 1 node

ipfs.archive.org

Spec for academic publication

XML → JSON = HTML → ?  
Text

entities [JSON]

- papers (DOI)
- people (author ORCID)
- topics (wikidata)
- annotations
- assets (file hashes)
- curricula (DAGs)

everything  
has a uuid/hash

graph.global

① wikidata

DMitri  
ascribe.io

permission system

w3c ilq

micro payments

interledger payments

↳

primavera @ Berkman  
quarterly  
blockchain mtg

Josh Juran → Ripple

AWS 48TB 32 or 64 nodes?

5tb. w/ Ben Trusk

- google print
- facebook
- wikimedia
- Knight foundation

horizon 20/20

• proposal  
5k x 2 + wikimedia

Chris Medina

fflag, uber, oant

↑  
Brent



Michael, Mike, Andrew, Danny  
complete, feature, distribution  
2011  
release

Sarah → Jaws  
go online  
found people

• interdisciplinary search  
link to a customer

RFP

again feature

big shot boot

• dist. between feature/problem

constraints

putting her features on what they know

3) tech not @ rec.

4) hi-growth

salesforce → Product

collabor - more research

intercom → realtime  
user voice →

hand take  
aggregate insights

feedback from customers

Engage

customer plan  
get it done

internal voice

customer data

data  
warehouse

Feedback

• offering

• data retention

bug tracking?

VCS

enterprise 0/4

-outfitted

★ salesforce sucks

★ Gainsite

3M - general availability  
↳ subdomain

Drupal

google apps for biz

Salesforce CRM

Aha (manipulation)

analytics

7's? customer success

1. structural layer  
added roles

and data

graphical

data doesn't

choose 1 company

1,200 CIOs

signature more data

need to be  
isolated

is validity

is security

knowledge base

general tool

software layer  
chinese walls

see what  
data is available

★ 1 min integration

store little data → cloud

★ google Now

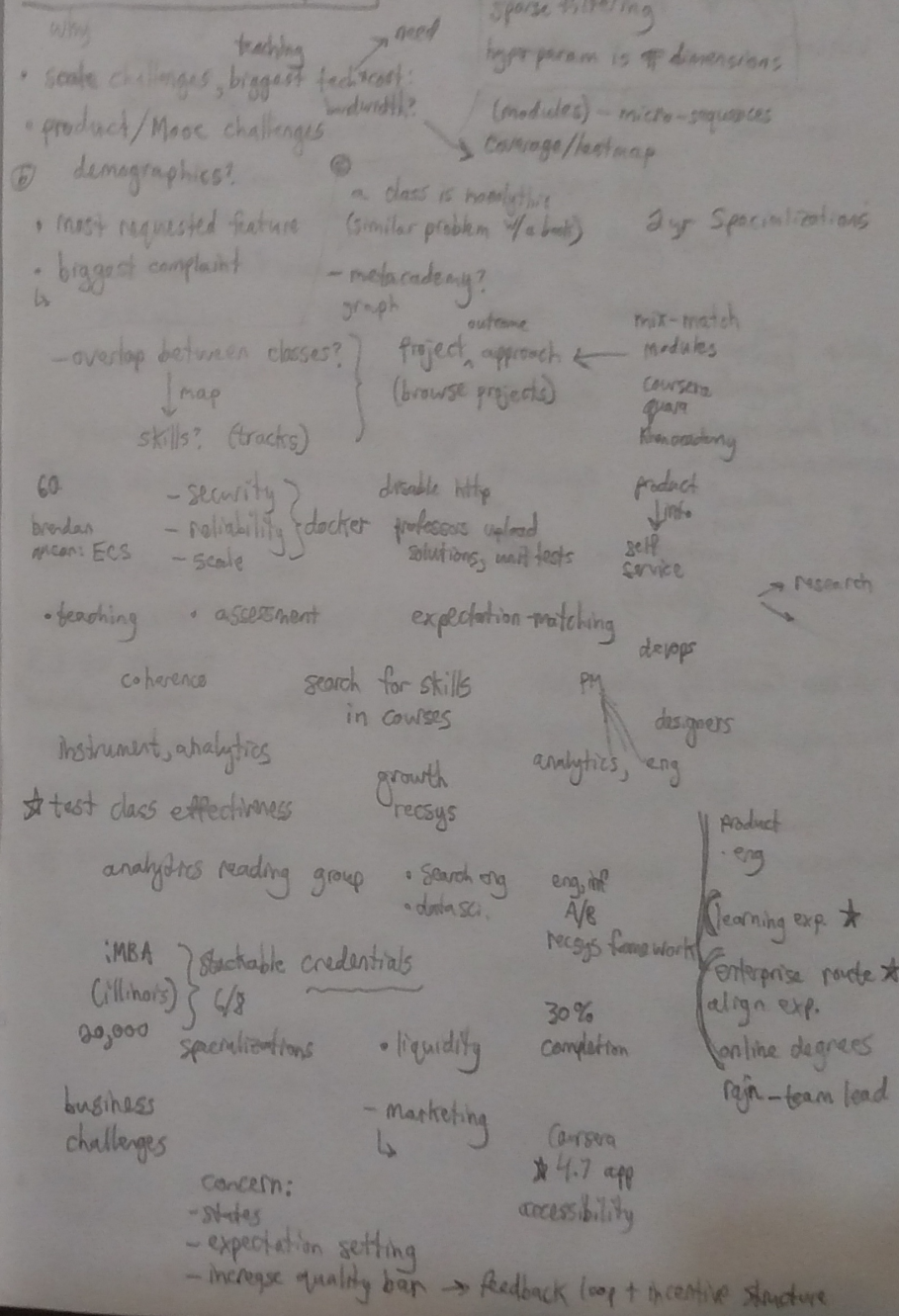
on boarding

relate IQ



Mariam, (Maregum) directed sequences  
 Jonathan, (Jonathan) 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100  
 Yona  
 Frankchen #2  
 Coursera  
 messy, out of sync  
 don't make me think  
 scale, play

Scholarly sources (incorporate)





Dan Ariely  
behavior scientist  
(becoming your hygiene/appearance)  
youtube viheart

1. data safety (data-rot)

2. availability

3. search/discoverability → v2

↳ analytics

design, performance

technical debt

boot afloat

70% uptime

documentation

24 darktime

scalable

isolate ops

services

increase our bit value

search team

searching by song

learn

better organization of collections

upload

collection types

archive.org

infrastructure

16y

tv design

- remove/min strong voices

book metadata + book collections

- Bids - political ads project @ Roger

ant labs (Berkeley)

ES for wide 5

v.

brenton - epub aug corruption

Data Sharing (Wolfram) ask for video

republisher tool → react

IA 1.0.1

search cluster

python application deployment

469B captures

★ archive - comics

150 first time

talks

grateful dead

25k to

email

collections

cdx server

David M.

envision

creative direction

design metaphors

playable items

- tv is loud

• ramp up

preservation

• first pass, isolation

- scrape api

improve quality (react)

Wayback

• v1 versus v2 apis

sort linux files

Will, 6m organic search

Brewster related items

testable Archive.org

gnu-radio

Eric: 60 days

30 years

AI/ML

300,000 CDs

digitization 10/h

licensing

Policy issues

books

online

internal api.

item

- upload

- flagging

- restricted files

- collection management

- lending

- nav

10 files

Keys

ant labs (Berkeley)

v.

Data Sharing (Wolfram) ask for video

IA 1.0.1

python application deployment

469B captures

historical pricing - wayback

Diigo (plugins)

once a week on

Monday

Wayback

sort linux files

★ labbin

dance notation



open gov. Takub  
 biz intelligence for gov  
 - transparency  
 data, viz, node.js for gov.  
 Small-medium - google  
 Watson is competitor → big research team; novelty; integrations  
 imagine product future

- medical
- legal - mining
- management / HR / sales / mtgs

Interview  
 reps of problems

Digital Agency - Joel  
 hopping between tech  
 growth scale  
 what pres are you making long term  
 griddle - grid flow

hackathon for  
 1 done per week

flowable grid

- people } hiring ATS  
 customers } - patents -  
 tickets } - sales/customer  
 - Q/A  
 - Staff + HR + PM

search prototype

ontology

- node.js
- Schema
  - Search index - elastic search
  - triple store, graph db

Caution  
 ★ Customer or document  
 structured query

• Connect

prepare for google interview

```
def mergesort(lst):
    def merge(left, right):
        result = []
        while left and right:
            if left[0] < right[0]:
                result.append(left.pop(0))
            else:
                result.append(right.pop(0))
            result.extend(left)
            result.extend(right)
        return result
    if len(lst) > 2:
        mid = len(lst) // 2
        left, right = mergesort(lst[:mid]), mergesort(lst[mid:])
    return merge(left, right)

class Node(object):
    def __init__(self, value, left=None, right=None, parent=None):
        self.value = value
        self.left = left
        self.right = right
        self.parent = parent

class Bst(object):
    def __init__(self, root=None):
        self.root = root

    def add(self, value):
        if not self.root:
            self.root = Node(value)
        else:
            self._insert(value, self.root)

    def _insert(self, value, node=None):
        if not node:
            return Node(value) # base case
        if value < node.value:
            node.left = self._insert(value, node.left)
        else:
            node.right = self._insert(value, node.right)

    def remove(self, value):
        def _remove(node=None):
            if not node:
                return None
            if value < node.value:
                node.left = _remove(node.left)
            elif value > node.value:
                node.right = _remove(node.right)
            else:
                return node
            self.root = _remove(self.root)

    def _remove(self, value):
        if not node:
            return None
        if value < node.value:
            node.left = _remove(node.left)
        elif value > node.value:
            node.right = _remove(node.right)
        else:
            return node
        self.root = _remove(self.root)

    def _insert(self, value, node=None):
        if not node:
            return Node(value) # base case
        if value < node.value:
            node.left = self._insert(value, node.left)
        else:
            node.right = self._insert(value, node.right)
```

```
directions = [(0,1), (0,-1), (1,1), (1,-1), ...]
def toggle(grid, word):
    for row in range(len(grid)):
        for col in range(len(grid[0])):
            if check(grid, row, col, word):
                return True
            return False
def check(grid, row, col, word):
    if not word:
        return True
    letter = word.pop(0)
    try:
        if grid[row][col] == letter:
            grid[row][col] = ""
            # if not check(grid, row+1, col+1, word):
            return True
        except IndexError:
            return False
    return False
```

```
if not node.left or not node.right:
    node = node.left or node.right
else:
    tmp = node.right
    while tmp.left:
        tmp = tmp.left
    node.value = tmp.value
    node.right = _remove(node.right)
```



- diff 2 people's knowledge
- retrieve answer
- create evlids elements of anything recursive
- interoperable templates for modules
- need a way to split/fork/branch
- completely called, stand alone

depth v. breadth  
map (laws & clock) rce/pe  
cell map world handy filament  
Frederick Wendy + Brewster  
191X Taylor (Toyota) history of the internet project  
Time Workers  
scientific management

- language learning
- books
- curricula, sequences
- video multi-media → apple + 16 3d video blackboard zoomable video
- context-free/isolated knowledge
- visualize path of execution, divergence, re-integration trail
- = • universal OS (reflect the mind) navigate/emulate thoughts

how do you merge 2 books?  
videos  
courses

how do you separate 1 ↑  
into n isolatable maps/self contained

Khan Academy gets it. their videos are close to units  
Pen/Thumb through always add 1 page right

Metacademy, Arbutal, Khan Academy  
Wikipedia for explanations

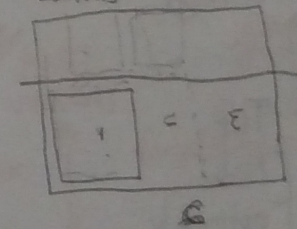
Stackoverflow

- quora noisy w/ advice
- projections & zooms
- bookshelves and collections
- workspace (whiteboards)
- focus on 'n' side by side
- focus on 1

workspaces  
Stack overflow?  
↓  
tree

20 questions - root  
Science, math, wiki  
medicine, CS, math, physics, chem, bio  
• local storage, save provenance trail  
every node has questions  
of various degrees (depths) of complexity  
infinite zoom  
Canvas

- self contained
- take 1 book (or paper)
- turn into a graph





- APIs - go swagger
- OS -
- CDs - produce .deb, groovebox.
- tel. US
- austin + vinay
- movies
- ~1K books a day

• lockers email austin w/ selenium notes

• do you want the expedited tour?

- thin tech  
↳ impact: 10-50  
networking/social  
fix inefficiency  
data science analytics

health care  
↳ bio mechanics  
smaller  
Planet granite ~ • remix - JP  
angellist analyst program

- 1) Roi
- 2) JP remix
- 3) Andrew optimizely
- 4) John
- 5) Chris Hogg + AF  
↳ intro
- 6) Max
- 7) med devices  
Morgan W.

- rivierra
- hired - Chris Hogg
- Practise Fusion ← intro
- John ↔ Laurence
- Lark, product
- Tilt
- Made
- optimizely
- Willf

Vince, Doctrow, Brewster

Max Ogden, Jim Whitehead, Tugan, Ben Trask, Herbert, zero net  
invite

\* Brewster - decentralized  
wordpress

- 1) developers' day - Ben Trask
- 2) public summit - inform against smoe

Job Genie:  
- subset of SWE high demand  
↓ data

Market Size  
↓ supply  
• lot of resources  
• saturation of tools  
• referrals  
• marketplace  
• bootcamp  
(code path)

• relationship

• beansprack

• get wants

1/3 change role

seed - round B  
for 10VC  
and time formlous  
narrow space  
Data Science  
+ Security

ref to "A2"

total  
seed  
250K/50K  
april  
AME  
ventures  
spyder  
capital

IA, IPFS, WikiMedia,  
Google, Plos, EFF, IPDB

\* hired, recruiting, tripple byte  
- work from home  
- VCs  
- location  
- tech match  
- no resume  
- size  
- equity  
chat bot  
job search  
- chances  
(align)  
culture

identify "packets"  
- 8200, security  
- Stanford → entrepreneurship  
waiting list

package and template  
script + personalization

peaks  
targeted team



★ Michael Steinhilber - Arnold Foundation, bio-chem PhD., staff whitehouse tech. w/ Tom Kayhill OSTP  
 (VP) Directive to make gov research public John Holdren Office of Science + Tech Policy  
 Office in DC. Laura & John } cases about results funded  
 w/ Arnold Foundation quant, justice, investments } pension → documentary → transformative: science, climate → open science frameworks  
 intro'd Roger + Max - invested in fracking (oil) funds WNET controversy  
 Karissa Kelly Blue (cool things scout) VP @ Arnold • IA item metadata @ DAT  
 Open Science Proposal VP @ Arnold → improve Wayback (grant) Imcey + Max  
 ★ community  
 science fair  
 ★ openscienceprize  
 invite Roger to Labs  
 3p call.  
 rackspace, google, Plos,

★ Silent Partner

- OpenJournal - [gitxiv.org](http://gitxiv.org), [scholar.archive.org](http://scholar.archive.org)
- ScienceFair
- Publishing 3-Way Partners
- Highlight what content is decentralized (Wayback, Archive.org)
- Registry



1. books

2. Wayback

3. Libraries together - lists @ scale (policy + agreement around db)

↳ PLOS

↳ Vanderbuilt

4. TV

5. science institute - virtual labs

↳ community development

↳

6) Resiliency → decentralization

full time

2nd Archive.org

• what to decentralize → content, science fair

• why decentralize

• risks of decentralization → intellectual property

• adoption, actionables - how do we, reducing friction, decentralize, distributed

• identity + reputation + trust <sup>participate</sup> feasibility

★ governance,

• interoperability

• data privacy, intellectual property

central forum -

67 goal: berlin contacts

• 2M books → all 2020

- make it easier to determine what we need (DWWF)

- discovery + search (within, without)

Ethiopian Libraries only have IA text

Vinay - improve accountability: formula for determining the "right" stuff

NSF + Berkeley

• Website Search for Wayback

Friday - Archive Labs

• what to decentralize

↳ P2P

• increase value of archive.org discovery

• improve community + innovation + accessibility (apis, labs, community)

• resiliency, decentralization

• improve accountability, prioritization of bits in

• improve accessibility / usability

make bits out APIs, metadata

Goals organization, docs, presentation  
• accessibility (APIs, metadata) - open library

• discovery (search, organize)

• community (labs, research, events)

• accountability (of bits) - DWWF

• resiliency (decentralized, info)

• collect (bits in) - ttscribe, journals

• provenance (bits in) - ttscribe, journals

• comprehensive / complete coverage

• protect the web

• Max - DAT

• Kyle - neocities

A1

David Rosenthal

LOCKS

for each vertical

index web cards

→ Topics

• Librarians + publishing

• tech

• coalition

• Jeff Hubert - files

• Chicago - spanning

• manager - machines

• schedule

• backup the archive

• curator share

• Mozilla Festival

• Application

• ★ Zeronet

• themes

• 20-30K scholarships

• enable, further

• DAY 2, public

• DAY 3 - lightning

• storage, geo-loc, redundancy

• DAY 1 - June 7th ~50 people

• 2 min intros

• IA node which backs up 1GB



Integrate IA services

after 20 yr

service = paid?...

Partnerships

↳ contract crawls

↳ Archive it

• Open Wayback

• 33 scan centers,  
8 countries

• Music Digitization

★ focus on the right content

Wayback 2001

Research Projects

Metadata  
- partner

international ~~internet~~ web decentralization consortium

IADC

eJournals

DWETF

• research process

→ accountability "what"

Coordination

• decentralization

↳

+ research?

bits out

★ Music, Web, tv, journals, software, books  
exhibits,

social media = biz dev  
→ communication + volume + datasets + feeds  
Create webcollection

★ Lost & Found

What % of web is gone?

most valuable preservations

- geocities

researcher access + APIs

↓

"What"?

panels

Goals

- introduce ideas of dweb

- Standards, agreements, coalition

Vint-Preservation  
Lessons

moderators

lists, facets

• create archive it act,

structured upload

etree

↓

upload

↓

Structured

Reinhold  
Tools for Thinking  
Cooperation

best bits out, connect?

Greg Bateson  
epistemology

when computers

Joe Edelman

within  
machines

Conch Surfing founder

we approximate being understood,  
"cognitive ergonomics"

- Mark Carranza

- cartographers of the mind

• Creating map → discovers

• exploring / navigating map → for why? (we build for)  
ourselves

Douglas Crawford

axioms of

• ↳ english / communication, the good parts

recording  
organization

coherence - visual patterns

data "Everyone knows what they're looking for"

Mirror Worlds realtime  
gauge map

data structure

algorithm

• The axioms of offering minimum # things

• Patience

"be understood by computers"

• enter a network as a human agent

extend our brain,

we want to work together

if Internet had introspective sentience

• extend memory

- repr. our life/worlds

• clear api

• seamless / frictionless access

•

"Lenses"

→ Mirror worlds

- fb (communication)

- google maps

- calendar

- memex

Brewster's goals:

- look web open

- what's important - preserve

- problems, options

- goal

★ draw

• voting on  
talks

record +  
decentralize



I want to design protocols

memex:

Memory is about the future

Mark appreciates eye contact

- art prizes
- memex site

paper: what exists

\$12M Non profit incubator to do public good

- academic papers

- Create frameworks

- community (sustainable) Kabutz

experiment

try

3D papers

Sharing

php interface

I pretend I have

\$1M... because this

lifestyle may earn this \$1M

Memex, we are the CPU, it is the

Memory: seamless memory access

- frictionless

Mind in nature

Something exists if it has power

→ V. Bush

★★★★ division of work

• creative

what thoughts do we share?

truth matters

Plato the Sophist

what is there to be gained?

motivations?

where people spend time/money

What is winning?

how do we let people use their own algorithms?

- e.g. programming languages

- natural language

- mouse, hand/draw

[idealism, materialism, dualism] or what life is

quantum consciousness?

when we can create life

Lenses

- how do we connect / interop lenses [Integrations]

i.e. maps + memex → context++

- how can we evaluate lenses

- how can we design lenses for a problem

- how can we share a lens

- how can we share / relate / compare our vision [understanding] view in many lenses ↓ discuss, query others

- how can we share our lens history / provenance

★ lens for visualizing axiomatic knowledge wikipedia

• slack } pass around share  
• google }  
Web-beta.archive.org

~~how do~~

- make lenses "functional", simple, idempotent and axiomatic.

and build for and individual harness the world's collective intelligence

public mind



Archive.org FE

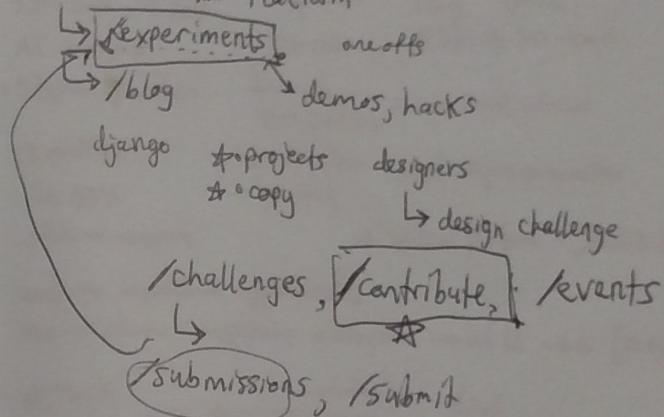
.erb, mix markup  
fast boot

Vacation mixed @ 180h

no, non critical  
archive tv

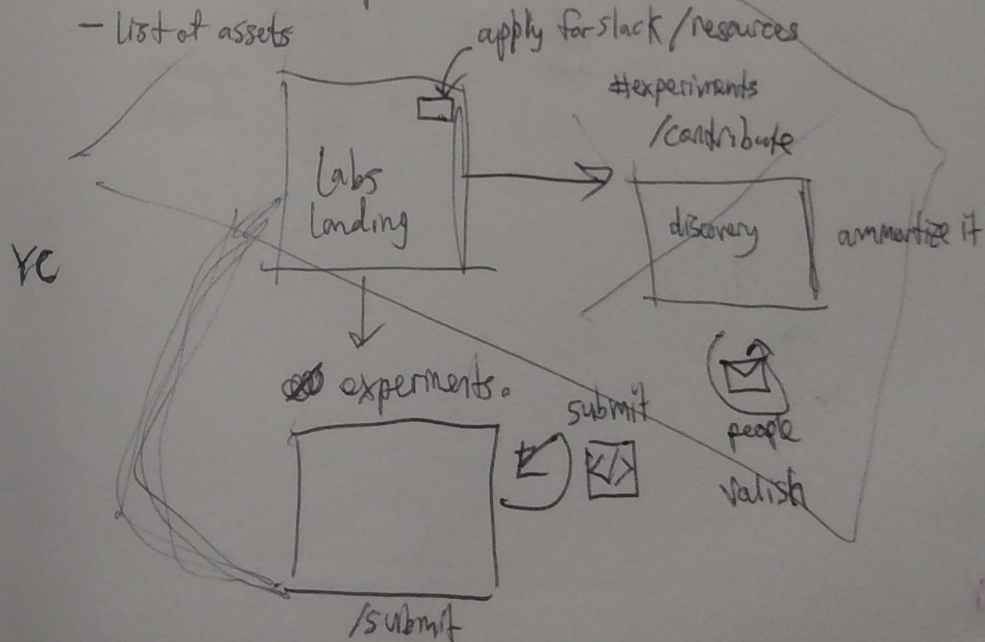
• DWWT

• Showcase the platform



1) /contribute

- copy
- invite awesome people
- list of assets





where to raise children

NY?

Choose school based on network

\* every person is put here to discover the world for themselves

→ 10M  
53M seed, 13 dots

signal fire

ignition

1.5 y

4ure6:

AI, enterprise

ZIP code

53M → 300-400M

• Stephen Balaban

beacon

35M profiles

Kevin Hart advisor

TB realtime?

↳ 95%

pitch → convert

- talent flow

- quality

find super-connectors

\* Talent Platform - Justin Ormont

inform uninvested opportunities

100K-1M retainer

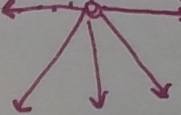
corporate intelligence

→ led by a16z [project basis]

\* Jack

828

incubating?



talent

- events (AI)

- PM & engineering

- hire 3p.

} manager

VC

consulting

retained

strategic projects

↑ people

1410

↑

Chris

recruit team

7M

> 20M

5P



I believe p.73 was a conversation with Elise Liu at Sightglass sometime in ~2017 (note added 2017-12-28)

MindMap AI ideas

5 whys

Ben Wrotler

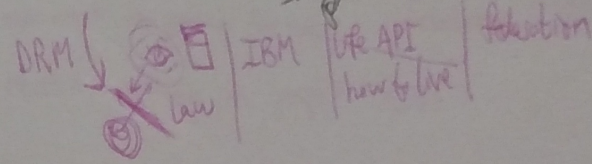
Jacob

collectimization

1 corp v. E

→ the new data problem

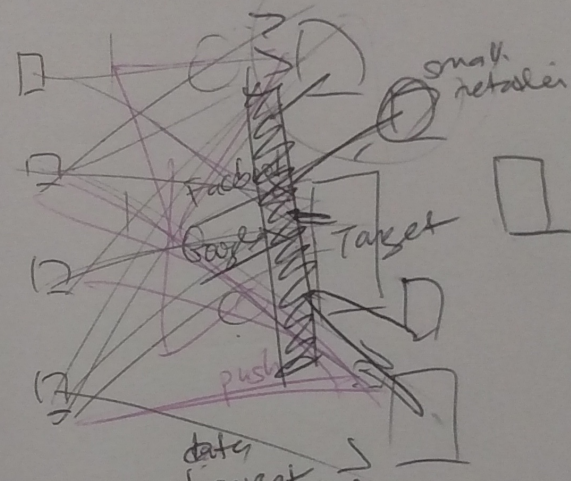
playback - us



spot

IPFS for consumers? metadata

people.



challenge managing data if possibly compatible audio symphonic app

end-to-end visibility in data use creating blockchain type permissions

data harvest. → PROBLEMS

decentralization

michaelkarpeles.com

Humans in charge of what their code does. LEGALLY → like 90% law no pushback in code



Contribute to wikidata?

→? can you?

What is the 20 yr goal?

"A bug is not a threat"

min work → product for users

represent entity in graph?

MEMEX



generic-  
relation

<id>?

open to interpretation

triples vs doubles

↓  
promote to triple

} allow  
edge to  
be None



theory of communication ME @ MIT  
Jellyfish, game of life design science  
design against optimization  
Ostracoda

EA → evolving 6 circuits  
decide counter

The machineries handbook

GGG

from scratch

idea flow

notes.tensors

Memex

idea flow

'entangled'

lowerquality.com/gentle

transcription

Send Thrite

techar.org

Provenance/  
history

metacademy

ideapad.io

Alex Zhu → ? Raymond Hefinger  
alphashirts

depending graph of knowledge

• tabs.outliner

github

IPFS Memex

Link

opposite of patent troll  
graph  
hackosphere - share  
hackathon ideas

Jacob

Robert Oshorn

transcription

arnin stiel

@dankar

#1) team member → reach + reduce

transcratch

node  
firebase  
mysql

gordon kirkwood

allen sun

UC Riverside

Joel / ~~csaba~~

Knowledge map  
Santiago Ortiz  
• open knowledge  
maps.net

People

Alison

• Richard, Jacob, Andy, Ned, Stephanie  
• Conor Sullivan

• Alex Zhu • Drew Winget

(?) • Robert Oshorn • Jan Paul Pasma

• Gordon Kirkwood • Amir Sood

• Bee Trask → strong link

• Mark Coraniza



## The Best Book On

- What do people/I use today?  
amazon, quora, google, university curricula, good reads
- Who Can Help?  
- Kqoo, John Klein, wired?
- What domains to start with? engineering
- Universal book ID?
- open graph?  
have authors claim tags + send notif's







May 28, 2016 Brew + Mok  
coffee @ cafe revolution(?)

III

- Native Reader, Erik's friend (digital pen) eye fluence  
Interface - "Super Reader"

- your gaze tells when you don't know a word, look it up

Narrative Flows/tours (like maps) through books + annotations

documentary (paper)

Foreign Language Materials

domains/problems

humanity algorithms

Self improvement algorithm/optimization

: definition list [Flow] (discuss flow)

• Notifications across services

dat-data.org

metacademy.org

article quality

Dario, head of engineering research



are they confused? what to do with backlog? just write  
 I have yet to meet a human who is not.  
 Some who are less wise are less confused than they ought to be  
 context snapshots graph: global/graph →

things  
 - make possible (digital book v. book re-access) to scan 30k calculus books

- axioms to read other's paper [ ] practices evolving to reflect reality

- simplicity, use it every day

- demoable, predictable entry point

- be genuine from scratch

- pre-digested? ✓  
 ↳ no, just reproducible

derivation, introspectable explanations

- speak with accuracy @mont  
 exactitude JP

clearing your room is easy in a computer

MC: 1985  
 \*String to int (fourth) (tradeoffs)  
 ↳ regrams # of words  
 - problems of being digital v. physical

- evaluate underlying assumptions

- preventing catastrophic interrupt handler(s)

anal → handwritten → printing press → digital

- quantified self, habits,

- the power of curation

- protocols, named list?

83 algorithms to live by

individual but centralized, 2-modes  
 hash, content addressability

source + id instead of hash

id	source

## Archive Day 1

- Greg (exempt) (potential for optimization) provenance trail
- Eric Diagrams (Jan) • cd paranoia' ripping
- Demos [EAC] Marcel - Fall Release
- Build (empty VM) Martin? SF Release End of May } 3 copies → China v2
- hardware comparison chart
- dev feature/ui py test targets  
 qt integration qtbot 6 min - scanning  
 Homaster rip

packaging - pyinstaller, pex  
 [accounterip database, web service checksum (pre-flac) pre-commit hook if match]

r/a channel: isrc track # → Musicbrainz

"do we want it" server [registry] hg stuff #

TOC do we want it metadata

lookup cd Search by cover or id

files.xml upc, musicbrainz

v. description

## Materials

- Micron pens
- glass desk or sheet of glass
- white board
- thin whiteboard markers



5/12/2016 @jcg

OpenJournal

item ware

1 ware, 1 file.

come up w/ schema

create a <sup>web</sup> program to add friends,  
email, store arbitrary data, invitations

Linkeddata

github.com/solid

#DWeb Summit. webfoundation.org

Real Goal is to turn everyones computer into  
a node. Allow people to store their own data (e.g. fitbit data)  
standardize these nodes. setting up http is hard. use browser  
Files move. Use hash, not path. Paths are ephemeral.

② A file's location should be "watched" and updated  
(i.e. tracked). e.g. git.

Vint Cerf: web needs a memory to forget.

Axiom

① → if you use the web, you are using a node.

② Expose web of data (as different protocol)

Karpattay, NLP ArXiv

Feminist movement, Joe Friedman  
or Structure



## Metrics:

- global data commons
- Numbers even for profit nodes must conform to basic viral open spec
- ~1000 Journals, across sciences (discipline) fields
- 10 →
- API for looking up data per paper
- ArXiv datasets, make data useful and available June 29th
- PLOS (seed) datahub 18F & Be the data source for ArXiv, PLOS & PMC.
- CORE paperbase science ① CORE - data (duracloud)
- of? (neomoshi) prepare the costs
- Preprints? Data?
  - ② PLOS, etc. ArXiv, Zenodo, data.gov,
  - ③ universities
  - Accessibility, Reproducible
  - Network is free & open, sign-up, free permanent access
  - #scientists, #downloads, #homes, #papers, #uploads/month
  - Spec for your bucket (search)
- Who?
  - bulk download data flows freely
  - multi-homed/redundant
  - open source
  - institutional (they implement)
  - world:
    - reproduce
    - powers future research
    - accessibility
    - (international)
- Journals (host data), PubMed Central

maximizing the investment of  
dropbox for your research

- ① write a data spec/metadata schema
- ② crawl data
- ③ allow inst. to push

## Goal:

- allow dat to be able to implicitly ID papers

- Dat → API

- ① bret victor (glen)
- ② gtriv, knuth, core.
- ③
- ④

## Questions:

- preprints
- permissions
- structure

herbert van de sample,  
CORE, DAI-PMH

## ① provenance

## ② organized + network effects

## ③ api access + network effects

\* dataverse, 2017, data.gov

JARPA neuroscience  
what other domains?

## metrics

### publishers:

- cheap (data, software)
- greater value prop/inferring
- metrics

### Repos:

- redundancy
- discovery
- standard

### Scientists:

- easy
- free
- forever
- required
- metrics